

CATHETER LASER BONDRERS



Introduction

With 17 years of developing and manufacturing catheter laser bonders, renovation never stops at Innova Design. Our popular LBS4000 and LBS5000 models have been completely redesigned recently based on customer feedback. While core functions have been preserved to keep backward compatibility and consistency, new functions and technologies have been introduced to make the products more functional and more competitive. With the new design, both LBS4000 and LBS5000 are true CLASS I laser systems. While LBS5000 enjoys its flexible modular sample holding system and full-length revolving safety door, LBS4000 continue to keep its compact design and small foot print. Both models now share the same user interface and control software which makes future upgrade and maintenance simple and easy

Features and Specs

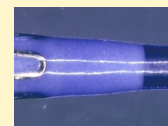
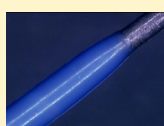
- ◆ Closed loop CL2 laser with 2% power stability
- ◆ Integrated diode pointer and electronic shutter
- ◆ Automatic laser power calibration
- ◆ Programmable spot size with motorized lens
- ◆ Self lens position calibration
- ◆ HDMI vision system with 4-line crosshair
- ◆ 15" HDMI vision monitor
- ◆ 7" touch screen HMI
- ◆ Unified user interface (LOGITROL ULBS)
- ◆ Allow laser power tuning dynamically
- ◆ Added production count
- ◆ 1000 recipes saved in HMI
- ◆ Support recipe backup and restore
- ◆ Up to 40 steps in a single recipe
- ◆ Allow static, dynamic, manual and swing steps
- ◆ Allow air cooling in every step
- ◆ Allow recipe execution with a foot switch
- ◆ Recipe selection with barcode scanner
- ◆ Servo driven direct drive spindle
- ◆ Many choice of catheter holding chucks (reverse)
- ◆ Multi-jaw guiding clamp allow drop loading/unloading
- ◆ Sealed CLASS I laser enclosure
- ◆ Up to 350mm laser travel distance
- ◆ Laser moving speed 0-32 mm/s
- ◆ Spindle speed up to 1500 rpm
- ◆ Motorized revolving safety door (LBS5000)
- ◆ Manual or pneumatic safety door (LBS4000)
- ◆ Voltage: 110-240 AC
- ◆ Software validation report
- ◆ Hardware validation report
- ◆ User's manual
- ◆ Free tech support and software upgrade



LBS5000 V5 with full length revolving safety door



LBS4000 V7 with pneumatic safety door



Unified HMI and Control Software

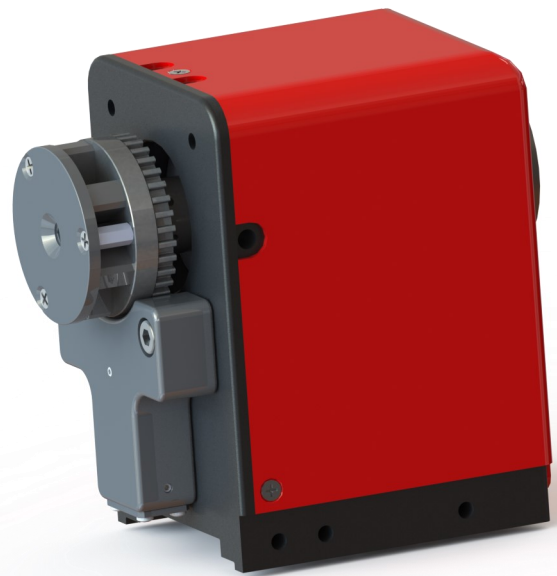


Main screen

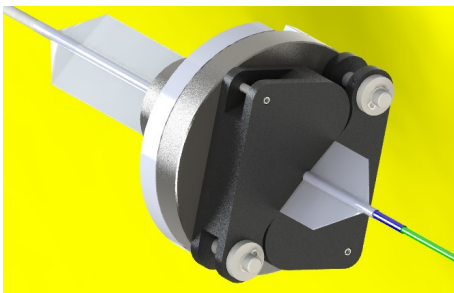


Recipe editor

Direct drive spindle

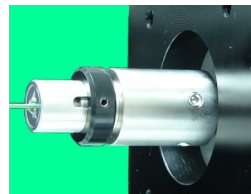


Servo driven direct drive spindle with segmented chuck

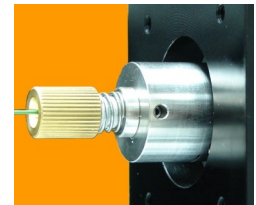


2-Jaw chuck allows directly hold flattened balloon. Used for holding catheter with very long balloons (>100mm). Can be opened both manually or electrically

Choice of Chucks



Three jaw stainless steel gap-less chuck, opening 0-1mm, high precision. Best used to hold mandrel directly



Touhy borst chuck, 5 sizes: 1-5 Fr, 5-7, 7-9, 9-12, 12-14. Directly hold tubing with rubber ring



Multi-slot 6 segmented chuck, 0-1/4" opening, plastic segments, directly hold tubing and/or mandrel, easy loading/unloading. No calibration needed



Luer lock chuck can hold and rotate a catheter with pre-molded luer

INNOVA DESIGN, INC.

9883 Pacific Heights Blvd., Suite A
San Diego, CA 92121
USA

Phone: (858)535-9389
E-mail: info@laser-bonder.com
Website: www.laser-bonder.com

